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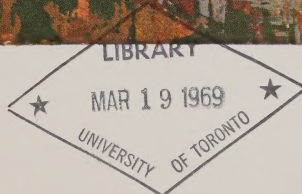
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# forest to mill the canadian way





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Canada's early settlers may have found the forests more of a hindrance than a help when they cleared the land to farm and build — but they were quick to discover the assets. Throughout the country's history these forests have been harvested, contributing greatly to the economy. Today they support 8,000 sawmills and 4,000 wood-using plants.

It is no wonder that Canadian forestry and wood-working equipment is first-rate, with so large a part of the country's income depending on its efficiency — the sale of forest products alone represents about 27 per cent of the value of Canada's export trade.

This is Canada's first appearance in the Southern Pine Machinery and Equipment Exposition and it is my pleasure to welcome you to the exhibits. The machinery shown is an impressive cross-section of the quality equipment which is within reach of your telephone.

At the show you will meet representatives of participating companies and of the Canadian Department of Trade and Commerce. Please contact my office or any of the other trade offices listed elsewhere in this booklet if we can be of further help.

W. J. Millyard  
Consul and Trade Commissioner  
Commercial Division  
Canadian Consulate General  
2110 International Trade Mart  
2 Canal Street  
New Orleans, LA 70130  
Tel: (504) JACKSON 5-2136







**take the better  
way with  
canada**

**at the southern pine machinery and equipment exposition**  
**MUNICIPAL AUDITORIUM, NEW ORLEANS**  
**APRIL 12-14, 1969**

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## CANADA CAN DO

As the ax, cross-cut saw, ox and horse have given way to the power saw, skidder, tractor, harvester, truck and other mechanized giants of today, Canada has always been right there, in the forefront of forestry and woodworking equipment design.

Canada's hard-earned experience in all phases of wood-harvesting, processing, sawmilling and converting operations has developed manufacturing skills and engineering ingenuity which are viewed with respect throughout the world. From a single piece of machinery to the complete turnkey plant or complex, Canada can do it — and do it well.

Versatility has always been a trademark of Canadian forestry equipment and this is one reason for its healthy competitive position in world markets.

Canadian equipment has to be versatile to serve domestic applications. There is the formidable contention of cold weather in the North; the

comparative small size of log operations in the East, demanding peak efficiency for profitable production; the gigantic forests of British Columbia in the West, where mountain operations present problems on a scale as grand as the scenery.

This vast proving ground stretching from the Atlantic to the Pacific, varying from 600 to 1,300 miles wide and containing more than 150 species of trees, has been the research center for the development of the quality machinery and engineering skill exported to all parts of the globe.

Canada, with the second largest forestry reserves in the world, is demanding maximum production from its greatest renewable natural resource. Logging and sawmilling equipment is designed for high usage, low waste. Resaw operations are carried out for veneer cores; chips and sawdust are used for paper pulp production, and hog-fuel gives steam generation.

Imaginative research, versatility in design, competitive pricing and availability are all characteristic of equipment from Canada — all good reasons to buy Canadian.



## GALBRAITH & SULLEY LIMITED

Forestry Equipment Division  
Robert Morse Corporation Limited  
1331 West 6th Avenue  
Vancouver 9, British Columbia, Canada  
Tel: (604) 738-5121

### sawmill equipment

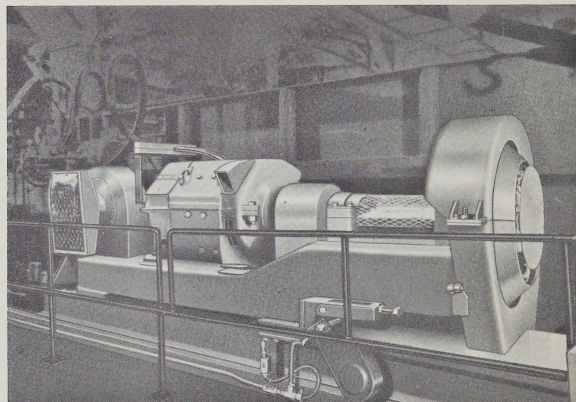
CUTTING A SWATH through mill congestion and production time is the new sawmilling apparatus from Canada's Galbraith & Sulley Limited, the Forestry Equipment Division of Robert Morse Corporation.

The Trojan Chipper increases headrig capacity and permits fuller use of logs, eliminating the slabs which cause tie-ups on their way to the waste wood chipper.

Efficiency of the new process comes from the installation of a chipping head alongside the sawyer's box, opposite the carriage and leading the band saw. Using push-button control, the sawyer advances the chipping head towards the log. The outer curve (or slab) of the log is converted into high quality chips with the first pass through the band saw, eliminating one saw kerf. This is an important saving feature as production mounts.

The challenge, well met by the Trojan Chipper designers, was to devise a machine that would produce top quality chips, leave a smooth surface on the face of the log, yet be synchronized with the

*The Trojan Headrig Chipper produces quality chips of uniform length through slow or fast cutting.*



speed of the carriage so that uniform chip length can be maintained through slow or fast cutting.

The main principle of this Galbraith & Sulley machine, and the special knives used in the chipper head, are covered by patents. The Vancouver company has exclusive selling rights throughout Canada and the United States and is making the machine available in several sizes.

Before it became a division of the Robert Morse Corporation in 1967, Galbraith & Sulley had been known for more than 30 years as a leader in design, manufacture and supply of automated production machinery for the forest product industries in British Columbia. The corporation is a publicly-owned Canadian organization with world-wide operations and an annual sales figure in the area of \$100,000,000.

Trojan prices are available on request and customs clearance is handled by the company. Delivery is three to six months, depending on the model size ordered.



FALLING OFF A LOG may be easy, but hauling timber isn't — unless Gearmatic winches are pulling the weight.

Gearmatic Co. Ltd., a pioneer in mechanical and hydraulic winch manufacturing, produces four basic models in the hydraulic winch series with line pull capacities from 1,500 to 44,000 pounds. Mechanical winches have line pulls up to 35,000 pounds. An almost unlimited number of options and variations can be supplied — Gearmatic engineers literally tailor a winch to the job.

The company's Model 9 and 19 tractor and skidder winches are the first completely sealed, free-spooling winches ever manufactured for tractors in this power range. They give nominal line pulls of 10,000 and 20,000 pounds respectively. Driven from the tractor power take off through a ring gear and pinion set, these winches can be installed quickly and easily by using the adaptor assembly supplied for each make and model of tractor, both wheel and crawler.

Four models in the hydraulic series from Gearmatic (6, 11, 22, 23) are completely self-contained and can be mounted in any convenient position independent of power source. All moving parts are enclosed and operate in oil.

Gearmatic also manufactures single and double-reduction ROTO-VERSAL hydraulic drives to meet every power requirement.

Versatile, high-performance equipment from this Canadian company is in use all over the world and is backed by complete parts and service facilities. All hydraulic products are sold through distributors. Mechanical tractor and skidder winches are supplied directly to original equipment manufacturers.

There are 18 Gearmatic distributors throughout the United States from whom price and delivery information is available.

## ***GEARMATIC CO. LTD.***

7400 132nd Street  
North Surrey, British Columbia, Canada  
Tel: (604) 596-7111

### ***mechanical and hydraulic winches***



*Gearmatic Model 19 winch installed on Tree Farmer log skidder.*

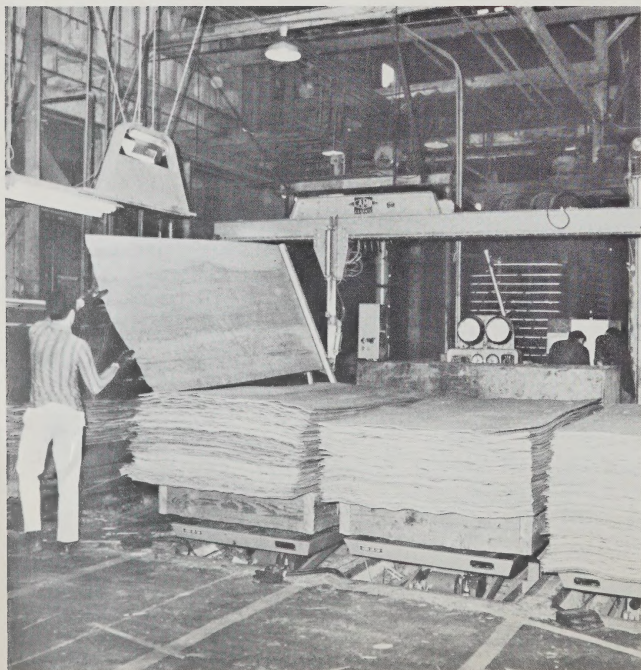
## LAMB-CARGATE INDUSTRIES LIMITED

1135 Queens Avenue  
New Westminster, British Columbia, Canada  
Tel: (604) 521-8821

### Represented by:

Mr. Rudy Spanich  
Lamb-Gray's Harbor  
P.O. Box 359  
Hoquiam, WA 98550  
Tel: (206) 438-1000

*veneer carriers,  
lifts and buggies*



*The Lamb-Cargate veneer sheet carrying system is a one-man operation.*

PLYING THEIR TRADE with new ease and efficiency are operators of the veneer sheet carrying systems manufactured by Lamb-Cargate Industries Limited.

This "in plant" system for the plywood industry has three basic pieces of equipment, each with a specific job — the veneer carrier, scissors lift, and veneer buggy. Main advantage of its use is that one of two sheet turners on the glue spreader crew is freed for other work. The carrier handles one end of the veneer sheets while the other end is guided by the lone sheet turner.

The carrier is available in two models — one for 48-inch and the other for 60-inch nominal veneer. It is programed for three, five, seven, nine and 11-ply layup and always returns to the correct pile to accept the next sheet. It also handles two-piece centers or split sheets effectively. Back loads are pre-turned, the back sheet being moved over the face sheet by the operator. The carrier forwards both sheets together to the layup table.

To operate the machine the sheets are advanced by the operator into a clamp where a limit switch is actuated, closing the clamp, tilting the sheet to remove debris, and advancing the carriage to a "wait" position behind the core-layer. At the same time, the sheet is raised 15 inches to clear the core-layer's head.

With the release of a foot switch, the carriage moves to the layup position, opens, drops the sheet and returns to the correct pile.

The loads — centers, faces and backs — are located on low buggies which allow a height-load of 30 inches, and on scissors hoists, permitting the loads to be held at correct working level.

A reset button returns the carrier to the correct position after a press load is completed. Adjustable time delay relays control the clamping, tilting and unclamping functions to suit local needs.

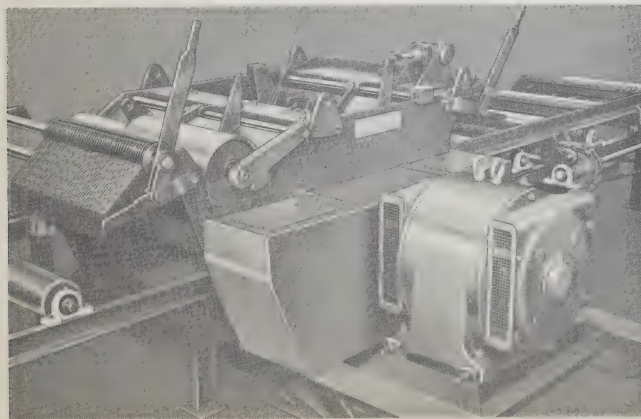
The veneer carrier is sold as one unit, scissors lifts and buggies are optional extras. A selection of other optional equipment is available for special applications. Delivery is f.o.b. plant, terms net 30 days. All applicable taxes are extra.



## **MAINLAND FOUNDRY & ENGINEERING LTD.**

1707 Pandora Street  
Vancouver 6, British Columbia, Canada  
Tel: (604) 255-1311

*Edgers from Mainland are made to customer specifications.*



## **heavy-duty edgers**

SQUARING AWAY sawmill problems is all in a day's work for Mainland Foundry & Engineering Ltd. The standard heavy-duty edgers which the company has been developing over a period of years have been brought to peak efficiency and will be as valuable tomorrow as they are today.

Basis of the edger series is the 6-inch by 48-inch Mainland Edger, designed to answer demands of the sawmill industry. Built for rugged use and versatility, many optional features are possible from the basic machine.

Mainland's newest design, being introduced at the Southern Pine Machinery and Equipment Exposition, features the arbor mounted above the cut, permitting a general arrangement conducive to precision wood control, free waste disposal, elimination of kickback and the use of saws with minimum kerf and clearance.

Common to all Mainland edgers — double arbor, conventional, overhead arbor, high speed and gang — are SKF arbor bearings, self-relieving grease lube, and operating at up to 3,600 rpm. They all have line bored side frames for Dodge spigotted bearings, giving perfect alignment of arbor, feed rolls and top press frames, and a quick saw removal gate on the uncluttered side, as well as many other valuable features.

Mainland, established in 1936 with a staff of three, has grown steadily into a company employing 165 with an annual sales volume exceeding \$4,250,000. Branch sales warehouses are located in Prince George, British Columbia and in Calgary, Alberta. Company products serve many industries apart from forestry and they are stocked and sold by dealers across Canada.

The company's considerable export business has been directed so far to the United States, Hawaii, Formosa and the Dominican Republic.

In New Orleans, Mainland's primary purpose is to seek representation for its edgers and general sawmill machinery in many areas.

Since much of Mainland's sawmill equipment is made to customer specification, terms of payment and delivery vary to suit each case.



## THE NORTHERN ENGINEERING & SUPPLY CO. LIMITED

Fort William, Ontario, Canada  
Tel: (807) 623-0441

*The custom manufactured NESCO slashmobile makes light work of heavy tasks.*

### *slashmobiles*



HANDLING THE TIMBER HARVEST of woodlands in Canada and the United States are slashmobiles made by The Northern Engineering & Supply Co. Limited.

Custom manufactured NESCO slashmobiles are already operating in Alabama, Mississippi, Tennessee, Maine and North Carolina. The Canadian company is now introducing recently developed portable and stationary machines for even greater operating efficiency.

A new stationary slasher is designed to process pulpwood harvests at the rate of 40 cords per hour. In one Ontario application, tree-length logs are delivered to the slasher by autocar diesel trucks pulling specially designed trailers. The logs are dumped alongside, picked up by boom loader and placed onto a live roll conveyor which carries the logs to the cut-off saw.

Tree lengths are cut to 16-foot size and pushed onto an adjoining slasher table where a moving chain takes them to the saw to be cut into 8-foot lengths. These logs are discharged into custom-designed steel pockets which align the timber for shipment.

All waste material — sawdust, trimmings — is col-

lected on a rubber belt and carried out to a refuse truck for dumping.

The slasher operating crew has three men — a loading unit operator, sawyer, and car loading unit operator. One utility man on each shift acts as a helper and carries out continuous maintenance checks on the equipment.

An old-established company with diverse output, Northern Engineering emphasizes custom-designed machinery to meet particular circumstances. Among other equipment made for the woodlands industry is the Woodsmobile processor. This machine, using one operator, cuts, delimbs, shears into bolts and piles down on the ground, all in one operation. Other new products are a continuous rotation grapple, tree length and pole grapples, hose reelers and constant tension load binders.

Northern Engineering is currently expanding its sales promotion program in the United States. Prices — taxes and duty extra — are quoted f.o.b. Fort William, Ontario, and are payable in Canadian funds. Delivery varies according to type of custom-manufactured product.

## SICARD INC.

P.O. Box 600  
10 Sicard Street  
Ste. Therese, Quebec, Canada  
Tel: (514) 435-6171

CHOPPING DOWN costs and raising harvesting efficiency in forests throughout the world is the logging system developed by Canada's Sicard Inc. Highly flexible and mobile, it adapts to a great many operating conditions and forest stands.

When Sicard's Feller-Skidder goes into action to harvest trees in sizes up to 16-inch stump diameter, it may be operating in a clear cutting or carrying out row thinning of plantations or selective thinning where rows are a minimum of 10 feet apart.

The Feller-Skidder falls trees onto the back of the vehicle itself and skids or forwards the assembled load to roads or landings.

Along comes the Sicard BSP processor unit to limb the felled trees, slash them in eight or 16-foot lengths and place them in continuous piles two to four feet high.

Depending on the location, mobile loaders may transfer the wood to trucks, or a self-loading forwarder could be used.



The hardworking Feller-Skidder is part of Sicard's highly efficient harvesting system.

## skidders, BSP processors

Sicard is developing a computerized program to simulate operation of the system, using these individual units, in almost any conditions and logging chances.

There are obvious advantages — elimination of construction and maintenance of skidroads and landings; all-weather operation; low capital investment; increase in labor productivity, and more.

The Montreal company emphasizes safety for the operator in all its units. Heavy-duty cabs protect him from forest accident hazards and from unpleasant weather conditions.

In New Orleans to market forestry equipment and promote use of the complete Sicard system, this vigorous company with a fine reputation for quality and service has quadrupled sales in the last 10 years.

Sicard distributors specializing in marketing forestry equipment are located throughout North America and Europe.

### Represented by:

Robert Morse Corporation Ltd  
5901 Transcanadian Road  
Pointe-Claire, Quebec, Canada  
Tel: (514) 695-9421  
(State of Maine)

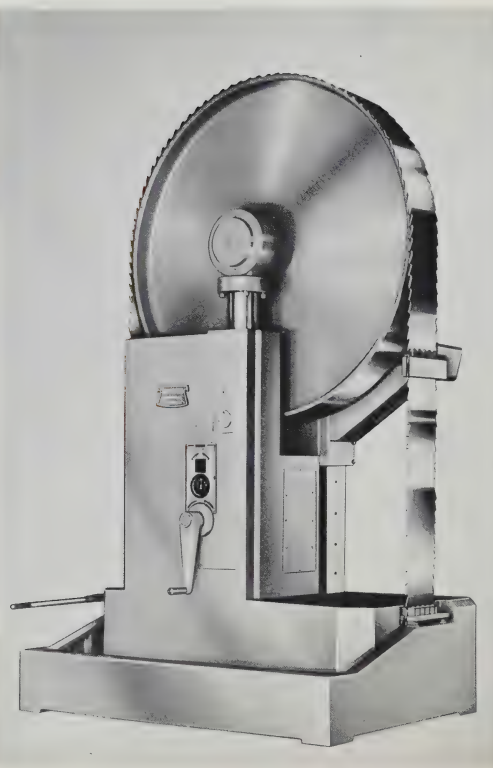
Bagley & Hurdle Equipment Co. Ltd.  
Sunbury, NC 27979  
Tel: (919) 465-3511  
(Southeastern part of Virginia,  
part of North Carolina)

Stith Equipment Company  
P.O. Box 677  
Airport Branch  
Atlanta, GA 30320  
Tel: (404) 366-0693  
(State of Georgia)

## **SWECAN SAW CO. LTD.**

8215 Pascal Gagnon  
St. Leonard  
Montreal 39, Quebec, Canada  
Tel: (514) 322-7220

### ***bandmills and saws***



#### **Represented by:**

Hosmer Machine Company Inc.  
Contoocook, NH 03229

Van Auken Mill Supplies and Equipment  
R.D. 1, Elmira, NY 14903

*The Swecan 60-inch heavy-duty bandmill operates smoothly to produce better and more lumber from same size logs.*

THERE'S AN EXTRA FINE EDGE on bandmill machinery manufactured by Swecan Saw Co. Ltd. All models follow the same principle which puts high tension on saw blades, uses thinner saws for better recovery and maintains speed of feed for maximum production.

New from Swecan is the 60-inch heavy-duty bandmill, built for high performance and years of trouble-free service. It features an extra-heavy cast iron base and compact one-piece cast iron column for maximum rigidity. Both disc-type wheels have been statically and dynamically balanced to eliminate vibrations and ensure longer life for bearings and band-saws. Other advances in design are incorporated in the automatic saw guide, wheel scrapers and sawdust shield.

Swecan has a complete series of bandmills and machines in sizes from 48 to 72 inches. Heavy-duty models operate on 75 to 100 horsepower. Right or left-hand mills, as well as single or double cut, are available.

Other machinery manufactured for the lumber industry by this progressive Canadian company includes band headrigs, linebar resaws, twin linebar resaws with automatic set-works and band edgers.

Established in 1957, Swecan Saw is well able to expand production facilities to handle new business. The company is attending the Southern Pine show to promote machinery sales and to seek representatives in the market area.

Terms are available by letter of credit for 30 to 90 days. Duty is not included in price quotations. Machinery is shipped according to the buyer's preference and delivery is made six to eight weeks from receipt of order.



## TANGUAY INDUSTRIES LIMITED

St. Prime  
Roberval County, Quebec, Canada  
Tel: (418) 251-3152

*This mobile self-propelled slasher can reduce manpower requirements by 30 per cent.*



### *self-propelled slasher*

IN ONE FELL SWOOP with one new machine a Canadian company has greatly reduced wood processing costs.

The mobile self-propelled slasher developed for the logging industry by Tanguay Industries Limited has been put to work for several large pulp and paper companies and in each case has set performance records using much less manpower.

Designed particularly for use in the Southern United States, the Model CC-1300 slasher can be adapted for road, rail or waterside tree length slashing. It can be custom-built to slash any length of timber into any shorter lengths for piling and/or direct loading.

Tree length processing using the Tanguay slasher lowers manpower requirements up to 30 per cent over most short wood systems and gives more flexibility in scheduling year-round production — cutting, hauling and processing can be arranged to take advantage of variable terrain and weather conditions. With a three-man crew, production of this machine varies between 15 and 18 cunits per hour.

The first Tanguay slasher was produced in 1966 and models sold since then have been adapted to particular buyer's needs. The scale model slasher to be shown in New Orleans incorporates three of the designer's latest ideas to increase performance: numerous friction-reducing vertical dead rollers in the walls of the main roll case conveyor; hydraulically-driven, fully reversible three-chain transfer conveyor system to discharge eight-foot wood from the swing saw and deliver to the basket; a hydraulically-controlled pusher panel to keep wood piled up tightly and squarely in the front end of the basket and facilitate off-loading which is performed by the second loader installed at the rear of the machine.

Tanguay quotes prices f.o.b. plant and normally delivers five to six weeks after confirmation of purchase. Terms of payment are: 15 per cent on formal confirmation; 25 per cent on acceptance of machine; 35 per cent on delivery and 25 per cent 30 days later. Company representatives see that the machine is in order on site and instruct the customer on maintenance and operation.

### **CANADIAN TRADE OFFICES IN THE UNITED STATES**

OFFICIALS OF THE CANADIAN DEPARTMENT OF TRADE AND COMMERCE AND REPRESENTATIVES OF CANADIAN COMPANIES PARTICIPATING IN THE SOUTHERN PINE MACHINERY AND EQUIPMENT EXPOSITION WILL BE PLEASED TO ANSWER INQUIRIES. INFORMATION IS ALSO AVAILABLE FROM THE FOLLOWING CANADIAN TRADE OFFICES IN THE UNITED STATES.



**NEW ORLEANS**

Consul and Trade Commissioner  
Commercial Division  
Canadian Consulate General  
2110 International Trade Mart  
2 Canal Street  
New Orleans, LA 70130  
Tel: (504) JAcKson 5-2136

**BOSTON**

Consul and Trade Commissioner  
Canadian Consulate General  
500 Boylston Street  
Boston, MA 02116  
Tel: (617) 262-3760

**CHICAGO**

Consul and Senior Trade Commissioner  
Canadian Consulate General  
310 Michigan Avenue, Suite 2000  
Chicago, IL 60604  
Tel: (312) 427-1031

**CLEVELAND**

Consul and Trade Commissioner  
Canadian Consulate  
Illuminating Building  
55 Public Square  
Cleveland, OH 44113  
Tel: (216) 861-1660

**DALLAS**

Consul and Trade Commissioner  
Canadian Consulate  
2100 Adolphus Tower  
1412 Main Street  
Dallas, TX 75202  
Tel: (214) 742-8031

**DETROIT**

Consul and Trade Commissioner  
Canadian Consulate  
1920 First Federal Building  
1001 Woodward Avenue  
Detroit, MI 48226  
Tel: (313) 965-2811

**LOS ANGELES**

Consul and Trade Commissioner  
Canadian Consulate General  
510 West Sixth Street  
Los Angeles, CA 90014  
Tel: (213) MAdison 2-2233

**NEW YORK**

Deputy Consul General (Commercial)  
Canadian Consulate General  
680 Fifth Avenue  
New York City, NY 10019  
Tel: (212) 586-2400

**PHILADELPHIA**

Consul and Trade Commissioner  
Canadian Consulate  
3 Penn Center Plaza  
Philadelphia, PA 19102  
Tel: (215) LOcust 35838

**SAN FRANCISCO**

Consul and Trade Commissioner  
Commercial Division  
Canadian Consulate General  
One Maritime Plaza  
Golden Gate Center  
San Francisco, CA 94111  
Tel: (415) 981-2670

**SEATTLE**

Consul and Trade Commissioner  
Canadian Consulate General  
1305 Tower Building  
Seventh Avenue and Olive Way  
Seattle, WA 98101  
Tel: (206) MUtual 2-3515

**WASHINGTON**

Commercial Counsellor  
Canadian Embassy  
1746 Massachusetts Avenue, N.W.  
Washington, DC 20036  
Tel: (202) 232-1011







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